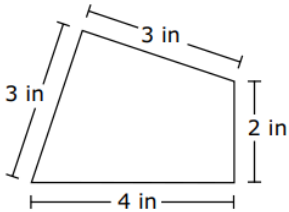
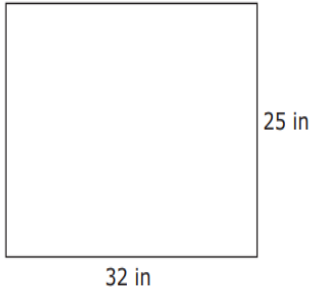


Name: _____ Date: _____

Standard:	3.MD.D.8
Objective:	Find unknown side(s) when given the perimeter

DO NOW/Fluency

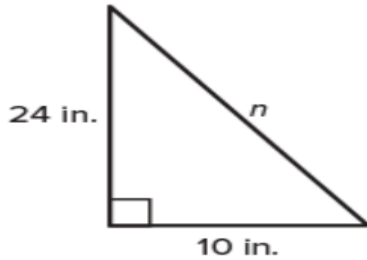
<p>1. What is perimeter? (vocabulary)</p> <hr/> <hr/> <hr/>	<p>2. How do we determine perimeter? (Skill and Strategy)</p> <hr/> <hr/> <hr/>
<p>3. Here is a shape. The side lengths are measured in inches</p>  <p>What is the perimeter, in inches, of the shape?</p> <p><input type="radio"/> 9</p> <p><input type="radio"/> 12</p> <p><input type="radio"/> 24</p> <p><input type="radio"/> 72</p>	<p>4. The figure shows the width and length of a rectangular-shaped object.</p>  <p>What is the perimeter of the rectangular-shaped object in inches?</p>

Thinking Steps for finding missing side(s) when given the perimeter

1. Label all the sides, known and unknown.
2. Add up what you know.
3. Subtract from the total.
4. Divide by 2 if you need two.

I DO (Exemplar Problem)

Look at the triangle.



The perimeter of the triangle is 60 inches. What is the unknown side length?

inches

i.



9 m.

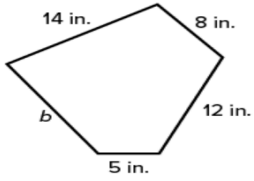
$P = 34 \text{ m.}$

The missing side is _____ m.

Partner Practice

Choose the correct answer.

Rashid uses 48 inches of string to make the figure shown. Look at the figure.



What is the unknown side length?

- 8 inches
- 9 inches
- 10 inches
- 19 inches

!



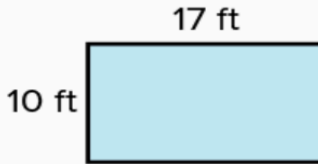
14 m.

$P = 44 \text{ m.}$

The missing side is _____ m.

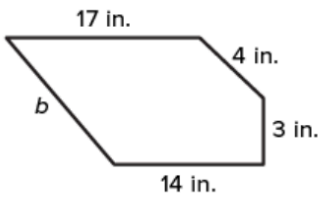
Independent Practice

What is the perimeter of the figure? Write and solve the equation.



Equation _____ Answer _____

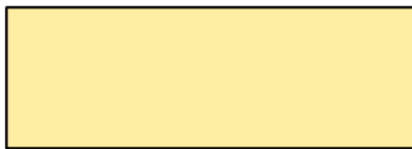
Sophia uses 46 inches of string to make the figure shown. Look at the figure.



What is the unknown side length?

- 8 inches
- 9 inches
- 12 inches
- 18 inches

).



8 m.

P = 26 m.

The missing side is _____ m.



13 m.

P = 40 m.

The missing side is _____ m.

Exit Ticket

Name: _____ Class: _____ Date: _____

1. What are the steps to finding a missing side or sides when given the perimeter?

_____ all the sides, known and unknown.
_____ up what you know.
_____ from the total.
_____ by 2 if you need two.

2. How do you know if you need to divide by two?

3.

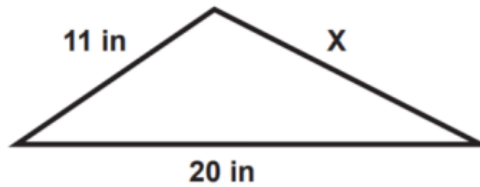


9 m.

$P = 32 \text{ m.}$

The missing side is _____ m.

Use the perimeter to figure out the length of the missing side.



Perimeter = 44 in

Answer _____